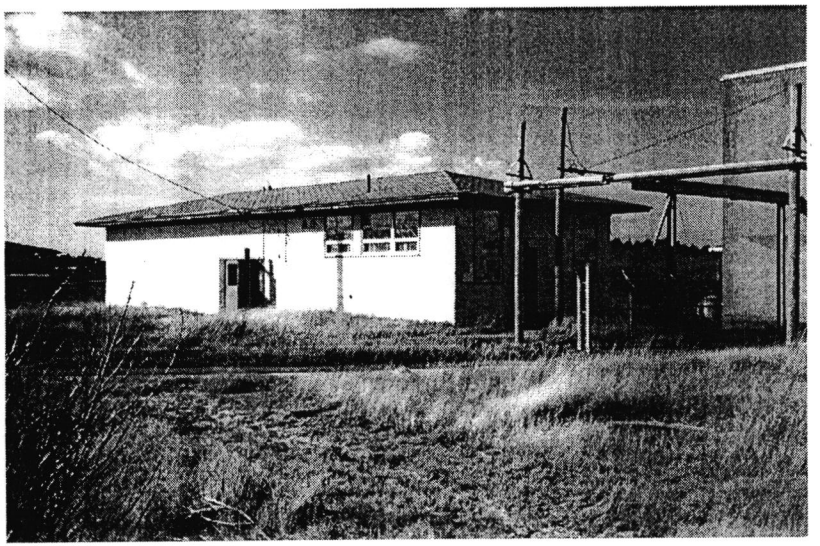
Building Number: 32

Original Name: **Office/Storage**

Est. Year of Construction: **1951**

General Data

- Square Footage: 1,635 sf
- # of Floors: 1
- # of Rooms: 5
- Basement or Crawl Space? Slab-on-grade



View from southeast.

Unique Equipment

-Space heaters (Modine) – HW?
-Electric water heater in SE room for domestic hot water
-Dispose of misc. junk including, venetian blinds, insulation, etc.

Exterior Conditions

- *Roof*

  Low-pitched hipped roof with composition shingles is in **fair/ good condition**. Deep overhangs are in **fair condition**. Recommend repair and repaint soffits.

- *Wall*

  Wood-frame structure sheathed in cement asbestos shingles is in **fair condition**; replacement of siding required. 6 windows: aluminum three-lite awning type in fair condition. Seals failed; recommend repair broken glass and re-seal all windows. 2 metal doors: single door on east side is rusted; advise replacement. Double metal door with one lite on south side is in **fair condition** - this door has panic hardware, but the metal threshold needs to be replaced. Transom is boarded up; recommend repair and repaint. Wall unit a/c in north wall is rusted.

- *Trim*

  Wood window and door trim are in **poor condition**; replacement of +/- 20 LF recommended. Repair and repaint all. Wood fascia is in **fair condition**. Metal drip edge at foundation is rusted.

- *Foundation*

  Poured concrete slab built up on CMU wall in NW corner is in **fair/ poor condition**. Cracks in NW corner of foundation - recommend repair and repoint 100%.

Interior Conditions

- *Ceiling*

  Exposed ridge beam, rafters, and tongue & groove decking in **good condition**. Suspended acoustic ceiling tiles (ACT) with insulation above in SE office. Suspended ACT without insulation above in NE and W rooms. All ACT in **fair/good condition.**

- *Wall*

  2x4 wood partitions with partial GWB finish. Interior horizontal wood planking in center room. 6x6 wood posts with brackets on concrete bases. All in **fair/ good condition**.

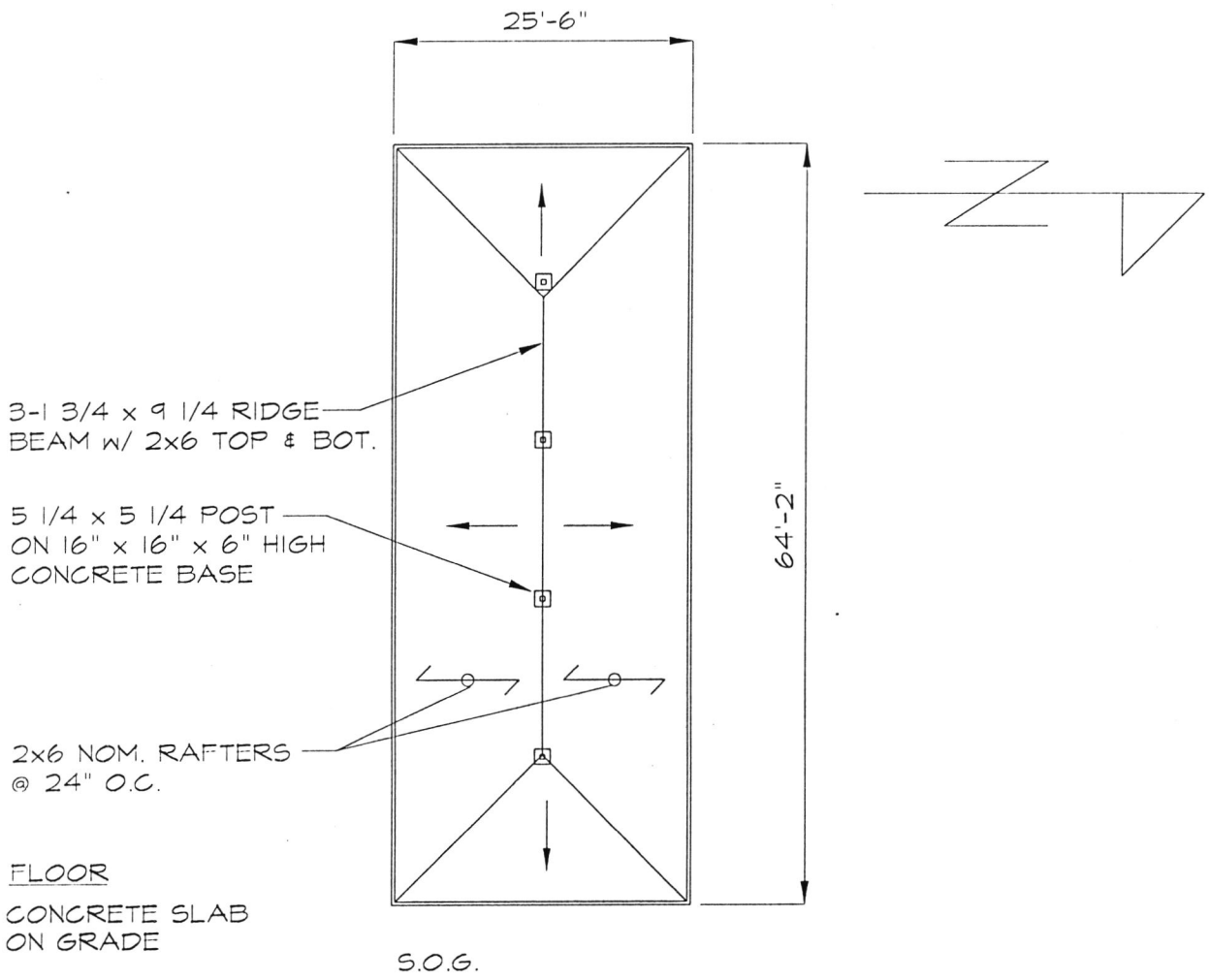
- *Trim*

  Interior steel and flush wood doors in **fair condition**. Varnished wood window and door trim. Recommend patch window trim.

- *Floor*

  Minor water damage. Concrete curb at perimeter. Vinyl asbestos tile and carpet floor finishes - replacement required.

Building Number: 32



32

We have listed in Table 1 the location and estimated quantity, by square foot (sf), linear foot (lf), or other appropriate unit, of each type of ACBM identified at the site. We have also provided asbestos location drawings in Appendix B.

TABLE 1. • List Of Materials Testing Positive For Asbestos
Building 32, Truro Air Base, North Truro, Massachusetts

Type of Material	Location	Quantity
Green 12" x 12" floor tile and underlying black mastic adhesive	Left storage room, and center room	960 sf
Brown 9" x 9" floor tile and underlying black mastic adhesive	Bathroom and right front storage	192 sf
Brown and tan 9" x 9" floor tile and underlying black mastic adhesive (2 layers)	Right rear storage	216 sf
Gray asbestos cement (transite) siding shingles	Exterior	2,185 sf
Gray window caulking	Between window and window opening framing	13 windows

In Table 2, all materials that tested negative for asbestos are listed, including the locations where these materials were observed and the corresponding bulk sample reference number(s).

TABLE 2. • List Of Materials Testing Negative For Asbestos
Building 32, Truro Air Base, North Truro, Massachusetts

Type of material	Location(s) observed	Sample number(s)
Black mastic adhesive underlying various colored 9" x 9" floor tile **(see note 1)**	Right side of building storage areas and bathroom	32-04A, 32-04B, 32-06A, 32-06B
White 2' x 2' ceiling tiles	Throughout	32-07A, 32-07B
White gypsum wallboard and associated joint compound	Throughout	32-08A, 32-08B, 32-08C, 38-09A, 38-09B, 38-09C
Black tar paper	Under exterior siding	32-11A, 32-11B
Black asphalt roof shingles	Roof	32-13A, 32-13B

Note 1: Mastic adhesive underlying 9" x 9" floor tile was determined to contain a trace, less than 1 % asbestos by composition. However, a similar mastic adhesive underlying 12" x 12" floor tile was determined to contain greater than 1% asbestos by composition. There, we recommend all mastic adhesive be treated as ACM.

Conclusions and Recommendations

On the basis of our findings, we offer the following conclusions and recommendations:

1. Only nonfriable ACBM were identified at the site. Should the building be renovated or demolished, removal of the ACBM will be necessary. Abatement of all nonfriable ACBM that will be made friable by demolition activities must be performed before building demolition. This work should be conducted by a licensed Asbestos Abatement Contractor in accordance with a project design prepared by a certified Abatement Project Designer.
2. If any suspect ACBM are identified at a later date that are not addressed in this inspection report, they should be assumed to be ACBM unless appropriate sampling and analysis demonstrates otherwise.
3. Develop a site-specific operations and maintenance (O&M) program for properly maintaining ACBM that will remain in place. Such a program would include a site-specific O&M plan, training of workers who may impact ACBM, periodic inspection of locations where ACM is present, and other applicable guidelines and procedures.

Cost Estimates

We have provided cost estimates for removing all ACBM at the site. These estimates are based on current industry standards that may fluctuate rapidly based on a variety of factors: the prevailing economic climate, seasonal differences, union labor considerations, scale of the abatement, occupancy of the building, and so on. We recommend that qualified abatement contractors be solicited to determine actual pricing involved. All cost estimates assume asbestos abatement contractors will conduct the abatement work.. In addition to pricing for abatement, we have considered anticipated industrial hygiene costs associated with abatement, including, air monitoring and oversight of the abatement.

For removal of:

Floor tile and underlying mastic adhesive (1 layer)	1,152 sf @ 2.5/sf	$ 2,880.
Floor tile and underlying mastic adhesive (2 layers of floor tile)	216 sf @ 3.5/sf	800
Cement (transite) shingles	2,185 sf @ 7/sf	15,295.
Window caulking	13 windows @ 125/window	1,625.
	TOTAL REMOVAL COST (CONTRACTOR)	$ 20,600.
	TOTAL INDUSTRIAL HYGIENE COSTS	3,500.
	TOTAL COMBINED COSTS	**$ 24,100.**

VHB XRF Field Testing Results

Site Access: Yes
Demo Permitted?: Yes
Project# 07394
Location: Building #32

Date 11/15/99
Page 1 of 1
Project Name: N. Truro AFS
Inspector: TMD

Location	Surface Tested	Substrate	Concentration (mg/cm^2)	Estimated Quantity*
Building #32				
	Tan wall	SR	0.4	
	Brown door	Wood	< 0.1	
	Brown baseboard	Wood	0.1	
Exterior	Brown door	Metal	0.1	
	Brown eave	**Wood**	**> 5.0**	**1,400 SF**
	Brown window casing	**Wood**	**2.9**	**100 SF**

*LBP components only. Limit of detection of NITON XRF is < **0.1 mg/cm²**) SR=Sheet Rock Block=Cinder Block SF=Square Feet

VHB **Oil and Hazardous Materials (OHM) Inventory**

Project: Former Air force Station **Project # 07394**
Location: North Truro, MA

Location	Waste Type	Container Type	olume of Contents	Quantity	Comments
Building #32					
	Mercury	Light tubes		4	4 foot tubes
	PCBs	Light ballasts		4	
	Rock Salt	Paper	100 lbs.	1	
	CFCs	Air conditioner		1	window-mount
	CFCs	Water bubbler		3	
	Metaphosphate	Paper	100 lbs.	4	